

POWER PENTODE

SINGLE-ENDED METAL TYPE

	GENERAL DATA	
	Electrical:	
	Heater, for Unipotential Cathode: Voltage 6.3 ac or dc volts Current 0.65 amp Direct Interelectrode Capacitances: With Pin No.I and Pin No.3 connected to Pin No.5 Grid No.1 to Plate 0.06 max	
	Characteristics, Amplifier Class A	
	Plate Voltage	
	Mechanical:	
_	Mounting Position	
	Pin 1-Shell, (4) (5) Pin 5-Cathode	
_	Grid No.3 Pin 2 - Heater Pin 3 - No Connection Pin 4 - Grid No.1 Pin 6 - Grid No.2 Pin 6 - Grid No.2 Pin 7 - Heater Pin 8 - Plate	
	AMPLIFIER - Class A	
	Maximum Ratings, Design-Center Values:	
	PLATE VOLTAGE 300 max. volts GRID-No.2 (SCREEN) VOLTAGE 300 max. volts	
	←_Indicates a change	
	DATA 4	





>	GRID-No.1 (CONTROL-GRID) VOLTAGE: Positive bias value	(
	Typical Operation in 4-Mc Bandwidth Video Amplifier Circuit of Fig. 1:		
	With Grid-Resistor Bias		
	Used where dc restoration is accomplished in grid-No.1 circuit of the 6AG?		
	Plate Supply Voltage		
	With Cathode-Resistor Bias		
	Plate Supply Voltage		
	Load Resistor		
	Maximum Circuit Values:		
	Grid-No.1-Circuit Resistance: For fixed-bias operation 0.25 max. megohm For cathode-bias operation 1.0 max. megohm	1	
	† Obtained from supply having good regulation. O Obtained preferably from 300-volt plate supply through resistor of value shown.	*	
	-> indicates a change		

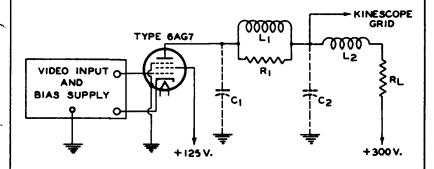
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DATA 1



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Fig. 1 - Typical Video Voltage Amplifier Circuit Having Bandwidth of 4 Mc.



 $C_1 = 9.5 \mu\mu f = Tube Output Capacitance +.Socket$ Capacitance + Wiring Capacitance + Coil Capacitance

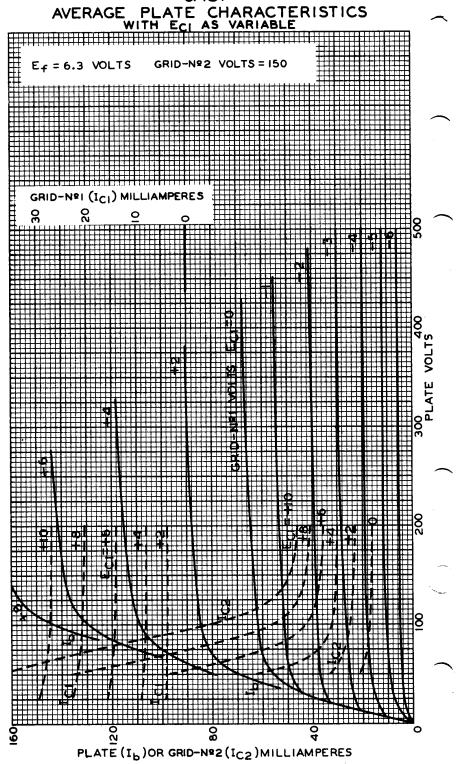
19 $\mu\mu$ f = Kinescope Capacitance + Socket Capacitance + Wiring Capacitance + Coil Capacitance

 $L_1 = 250 \,\mu h$ Filter Inductor $L_2 = 125 \,\mu\text{h Filter Inductor}$

R1 = 20000-Ohm, Non-Reactive Resistor
RL = 3500-Ohm, 10-Watt, Non-Reactive Resistor

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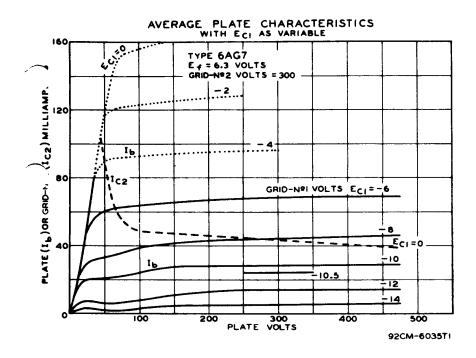
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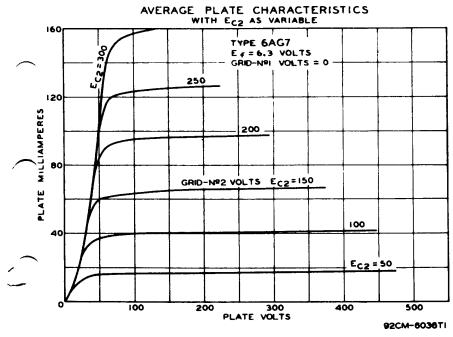
92CM-6034R2

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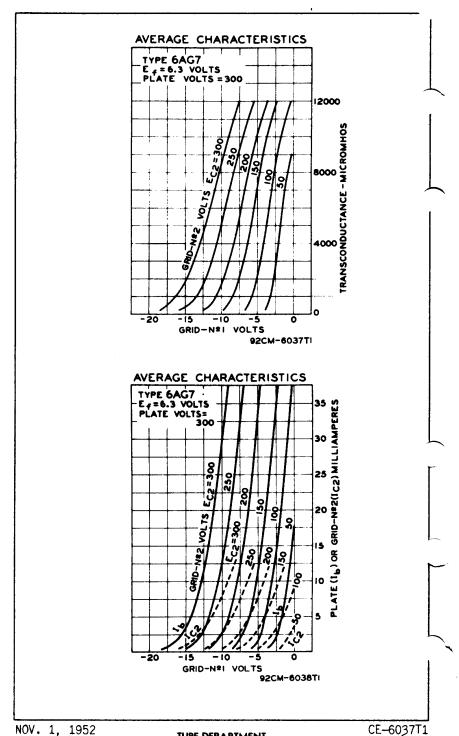








POWER PENTODE



TUBE DEPARTMENT

CE-6037T1 CE-6038T1

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